

**IN THE SPECIFICATION:**

Please substitute the following abstract for the abstract in the application:

A method, [[a]] system, and [[a]] computer program product for organizing a set of nodes into a minimum number of connected clusters of bounded size in a wireless transmission system, wherein the method comprises ~~is disclosed. The method comprising steps of~~, using of bits in packets used in the initial stages of the device discovery procedure, to include information relating to a state of device discovery to achieve the ~~said~~ the separation of the nodes into those in ~~said~~ the transmit-state and ~~said~~ the receive-state; defining a Master-designate among ~~said~~ the nodes through a statistical procedure and defining remaining nodes as a Slave-designate; defining a cluster including ~~said~~ the Master-designate and at least one ~~said~~ the Slave-designate, wherein ~~said~~ the Slave-designate continuously scans for ~~said~~ the inquiry message transmitted from ~~said~~ the Master-designate and ~~said~~ the Slave-designate transmits ~~said~~ the inquiry response to ~~said~~ the Master-designate.

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